

**PATENT**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

the **PATENT APPLICATION** of:

Joseph A. Kwak

**Application No.:** 10/084,043

**Confirmation No.:** 8075

**Filed:** February 27, 2002

For: METHOD FOR PHYSICAL LAYER  
AUTOMATIC REPEAT REQUEST FOR A  
BASE STATION

Group: 2616

Examiner: Saba Tsegaye

Our File: I-2-0203.2US

Date: September 20, 2006

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicant's Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicant wishes to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. Newly cited documents are indicated by an asterisk (\*). Copies of the cited documents are enclosed.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that each new item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual designated in §1.56(c) more than three (3) months prior to the filing of this Information Disclosure Statement.

The source of the newly identified items of information is the enclosed

**Applicant: Joseph A. Kwak**  
**Application No.: 10/084,043**

communication from a foreign patent office in a counterpart application, dated June 6, 2006.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

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TAM/lis  
Enclosures (8)

| FORM PTO-1449   |  |                 |         | ATTY. DOCKET NO.<br>I-2-0203.2US |       | SERIAL NO.<br>10/084,043 |                               |
|---|--|-----------------|---------|----------------------------------|-------|--------------------------|-------------------------------|
| U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use several sheets if necessary) |  |                 |         | APPLICANT<br>Joseph A. Kwak      |       |                          |                               |
|   |  |                 |         | FILING DATE<br>February 27, 2002 |       | GROUP<br>2616            |                               |
| U.S. PATENT DOCUMENTS   |  |                 |         |                                  |       |                          |                               |
| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER | DATE    | NAME                             | CLASS | SUBCLASS                 | FILING DATE IF<br>APPROPRIATE |
|   |  | 4,912,705       | 03/1990 | Paneth et al.                    |       |                          |                               |
|   |  | 5,101,406       | 03/1992 | Messenger                        |       |                          |                               |
|   |  | 5,280,498       | 01/1994 | Tymes et al.                     |       |                          |                               |
|   |  | 5,345,439       | 09/1994 | Marston                          |       |                          |                               |
|   |  | 5,345,600       | 09/1994 | Davidson                         |       |                          |                               |
|   |  | 5,351,016       | 09/1994 | Dent                             |       |                          |                               |
|   |  | 5,544,196       | 08/1996 | Tiedemann, Jr. et al.            |       |                          |                               |
|   |  | 5,570,369       | 10/1996 | Jokinen                          |       |                          |                               |
|   |  | 5,648,969       | 07/1997 | Pasternak et al.                 |       |                          |                               |
|   |  | 5,657,325       | 08/1997 | Lou et al.                       |       |                          |                               |
|   |  | 5,715,260       | 02/1998 | Black et al.                     |       |                          |                               |
|   |  | 5,729,557       | 03/1998 | Gardner et al.                   |       |                          |                               |
|   |  | 5,828,677       | 10/1998 | Sayeed et al.                    |       |                          |                               |
|   |  | 5,838,267       | 11/1998 | Wang et al.                      |       |                          |                               |
|   |  | 5,918,156       | 06/1999 | Tanabe                           |       |                          |                               |
|   |  | 5,946,320       | 08/1999 | Decker                           |       |                          |                               |
|   |  | 5,956,624       | 09/1999 | Hunsinger et al.                 |       |                          |                               |
|   |  | 5,982,760       | 11/1999 | Chen                             |       |                          |                               |
|   |  | 5,983,382       | 11/1999 | Pauls                            |       |                          |                               |
|   |  | 5,983,383       | 11/1999 | Wolf                             |       |                          |                               |
|   |  | 5,983,384       | 11/1999 | Ross                             |       |                          |                               |
|   |  | 6,021,124       | 02/2000 | Haartsen                         |       |                          |                               |
|   |  | 6,049,549       | 04/2000 | Ganz et al.                      |       |                          |                               |
|   |  | 6,064,692       | 05/2000 | Chow                             |       |                          |                               |
|   |  | 6,128,276       | 10/2000 | Agee                             |       |                          |                               |
|   |  | 6,130,918       | 10/2000 | Humphrey et al                   |       |                          |                               |
| EXAMINER  |  |                 |         | DATE CONSIDERED                  |       |                          |                               |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| FORM PTO-1449   |  |                 |         | ATTY. DOCKET NO.<br>I-2-0203.2US |       | SERIAL NO.<br>10/084,043 |                               |
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|   |  |                 |         | FILING DATE<br>February 27, 2002 |       | GROUP<br>2616            |                               |
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| EXAMINER<br>INITIAL   |  | DOCUMENT NUMBER | DATE    | NAME                             | CLASS | SUBCLASS                 | FILING DATE IF<br>APPROPRIATE |
|   |  | 6,134,694       | 10/2000 | Uebayashi et al.                 |       |                          |                               |
|   |  | 6,138,260       | 10/2000 | Ketseoglou                       |       |                          |                               |
|   |  | 6,145,108       | 11/2000 | Ketseoglou                       |       |                          |                               |
|   |  | 6,154,489       | 11/2000 | Kleider et al.                   |       |                          |                               |
|   |  | 6,189,123       | 02/2001 | Anders Nystrom et al.            |       |                          |                               |
|   |  | 6,208,663       | 03/2001 | Schramm et al.                   |       |                          |                               |
|   |  | 6,212,240       | 04/2001 | Scheibel, Jr. et al.             |       |                          |                               |
|   |  | 6,212,659       | 04/2001 | Zehavi                           |       |                          |                               |
|   |  | 6,233,711       | 05/2001 | Murayama et al.                  |       |                          |                               |
|   |  | 6,272,183       | 08/2001 | Berens et al.                    |       |                          |                               |
|   |  | 6,275,488       | 08/2001 | Cudak et al.                     |       |                          |                               |
|   |  | 6,289,003       | 09/2001 | Raitola et al.                   |       |                          |                               |
|   |  | 6,308,294       | 10/2001 | Ghosh et al.                     |       |                          |                               |
|   |  | 6,317,418       | 11/2001 | Raitola et al.                   |       |                          |                               |
|   |  | 6,359,877       | 03/2002 | Rathonyi et al.                  |       |                          |                               |
|   |  | 2002/0037058    | 03/2002 | Birru                            |       |                          |                               |
|   |  | 6,366,601       | 04/2002 | Ghosh et al.                     |       |                          |                               |
|   |  | 6,370,669       | 04/2002 | Eroz et al.                      |       |                          |                               |
|   |  | 2002/0064167    | 05/2002 | Khan et al.                      |       |                          |                               |
|   |  | 6,449,246       | 09/2002 | Barton et al.                    |       |                          |                               |
|   |  | 6,470,391       | 10/2002 | Takamoto et al.                  |       |                          |                               |
|   |  | 2002/0191544    | 12/2002 | Cheng et al.                     |       |                          |                               |
|   |  | 6,522,650       | 02/2003 | Yonge et al.                     |       |                          |                               |
|   |  | 2003/0039226    | 02/2003 | Kwak                             |       |                          |                               |
|   |  | 6,529,561       | 03/2003 | Sipola                           |       |                          |                               |

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|  | APPLICANT<br>Joseph A. Kwak      |                          |
|  | FILING DATE<br>February 27, 2002 | GROUP<br>2616            |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
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|                     | 6,587,985       | 07/2003 | Fukushima et al. |       |          |                               |
|                     | 6,647,076       | 11/2003 | Schenk et al.    |       |          |                               |
|                     | 6,735,180       | 05/2004 | Malkamaki et al. |       |          |                               |
|                     | 6,760,860       | 07/2004 | Fong et al.      |       |          |                               |
|                     | 6,931,569       | 08/2005 | Fong et al.      |       |          |                               |
|                     | 2002/0034182    | 02/2002 | Mallory          |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |   | DOCUMENT NUMBER | DATE    | COUNTRY         | CLASS | SUBCLASS | TRANSLATION |    |
|--|---|-----------------|---------|-----------------|-------|----------|-------------|----|
|  |   |                 |         |                 |       |          | YES         | NO |
|  |   | 1275279         | 02/1999 | CN <sup>1</sup> |       |          | X           |    |
|  |   | 1277766         | 12/2000 | CN <sup>2</sup> |       |          |             | X  |
|  |   | 1132772         | 01/2004 | CN              |       |          |             |    |
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|  | * | 2000-507777     | 06/2000 | JP              |       |          |             | X  |
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|  |   | 2003/0004618    | 01/2003 | KR              |       |          |             | X  |
|  |   | 97118086        | 07/1999 | RU              |       |          |             |    |
|  |   | 2179370         | 02/2002 | RU              |       |          |             |    |
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|  |   | 2002101733      | 08/2003 | RU              |       |          |             |    |

<sup>1</sup> corresponds to WO 99/09698 <sup>2</sup> corresponds to WO 99/12303

\*\* Abstract Only

|          |                 |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





IFW 2616

PTO/SB/21 (04-04)  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/084,043        |
| Filing Date            | February 27, 2002 |
| First Named Inventor   | Joseph A. Kwak    |
| Art Unit               | 2616              |
| Examiner Name          | Saba Tsegaye      |
| Attorney Docket Number | I-2-0203.2US      |

Total Number of Pages in This Submission

### ENCLOSURES (Check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance communication to Technology Center (TC)                          |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences                       |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)                   |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):                           |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Request for Refund   | Form PTO-1449 (4 pgs. w/ a copy of the Japanese Office Action, its' translation and five (5) references). |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | Remarks   |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |                        |                 |
|-------------------------|------------------------|-----------------|
| Firm or Individual name | Thomas A. Mattioli     | Reg. No. 56,773 |
|                         | Volpe and Koenig, P.C. |                 |
| Signature               |                        |                 |
| Date                    | September 20, 2006     |                 |

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

|                       |                    |      |                    |
|-----------------------|--------------------|------|--------------------|
| Typed or printed name | Thomas A. Mattioli |      |                    |
| Signature             |                    | Date | September 20, 2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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